

**TABLE. Influenza vaccine information, by age group --- United States, 2011--12 influenza season\***

Vaccine	Trade name	Manufacturer	Presentation	Mercury content ( $\mu\text{g}$ Hg/0.5 mL dose)	Ovalbumin content ( $\mu\text{g}$ /0.5mL dose)	Age group	No. of doses	Route
TIV	Fluzone	Sanofi Pasteur	0.25 mL prefilled syringe	0.0	---†	6--35 mos	1 or 2§	IM¶
			0.5 mL prefilled syringe	0.0	---†	≥36 mos	1 or 2§	IM¶
			0.5 mL vial	0.0	---†	≥36 mos	1 or 2§	IM¶
			5.0 mL multidose vial	25.0	---†	≥6 mos	1 or 2§	IM¶
TIV	Fluvirin	Novartis Vaccines	0.5 mL prefilled syringe	≤1	≤1	≥4 yrs	1 or 2§	IM¶
			5.0 mL multidose vial	25.0	≤1			
TIV	Fluarix	GlaxoSmithKline	0.5 mL prefilled syringe	0	≤0.05	≥3 yrs	1 or 2§	IM¶
TIV	FluLaval	ID Biomedical Corporation of Quebec (distributed by GlaxoSmithKline)	5.0 mL multidose vial	25.0	≤1	≥18 yrs	1	IM¶
TIV	Afluria	CSL Biotherapies (distributed by Merck)	0.5 mL prefilled syringe	0.0	≤1	≥9 yrs**	1	IM¶

			5.0 mL multidose vial	24.5	≤1			
TIV High-Dose††	Fluzone High-Dose	Sanofi Pasteur	0.5 mL prefilled syringe	0.0	---†	≥65 yrs	1	IM¶
TIV Intradermal	Fluzone Intradermal	Sanofi Pasteur	0.1 mL prefilled microinjection system	0.0	---†	18--64 yrs	1	ID
LAIV	FluMist§§	MedImmune	0.2 mL prefilled intranasal sprayer	0.0	---¶¶	2--49 yrs***	1 or 2§	IN

**Abbreviations:** TIV = trivalent inactivated vaccine; LAIV = live attenuated influenza vaccine; IM = intramuscular; ID = intradermal; IN = intranasal.

\* Vaccination providers should check Food and Drug Administration--approved prescribing information for 2011--12 influenza vaccines for the most updated information.

† Information not included in package insert but is available upon request from the manufacturer, Sanofi Pasteur, by telephone, 1-800-822-2463, or e-mail, MIS.Emails@sanofipasteur.com.

§ Children aged 6 months through 8 years who did not receive seasonal influenza vaccine during the 2010--11 influenza season should receive 2 doses at least 4 weeks apart for the 2011--12 season. Those children aged 6 months through 8 years who received ≥1 dose of the 2010--11 seasonal vaccine require 1 dose for the 2011--12 season.

¶ For adults and older children, the recommended site of vaccination is the deltoid muscle. The preferred site for infants and young children is the anterolateral aspect of the thigh.

\*\* Age indication per package insert is ≥5 years; however, the Advisory Committee on Immunization Practices recommends Afluria not be used in children aged 6 months through 8 years because of increased reports of febrile reactions in this age group. If no other age-appropriate, licensed inactivated seasonal influenza vaccine is available for a child aged 5--8 years who has a medical condition that increases the child's risk for influenza complications, Afluria can be used; however, providers should discuss with the parents or caregivers the benefits and risks of influenza vaccination with Afluria before administering this vaccine. Afluria may be used in persons aged ≥9 years.

†† TIV high-dose: A 0.5-mL dose contains 60 µg each of A/California/7/2009 (H1N1)-like, A/Perth/16/2009 (H3N2)-like, and B/Brisbane/60/2008-like antigens.

§§ FluMist is shipped refrigerated and stored in the refrigerator at 35°F--46°F (2°C--8°C) after arrival in the vaccination clinic. The dose is 0.2 mL divided equally between each nostril. Health-care providers should consult the medical record, when available, to identify children aged 2--4 years with asthma or recurrent wheezing that might indicate asthma. In addition, to identify children who might be at greater risk for asthma and possibly at increased risk for wheezing after receiving LAIV, parents or caregivers of children aged 2--4 years should be asked: "In the past 12 months, has a health-care provider ever told you that your child had wheezing or asthma?" Children whose parents or caregivers answer "yes" to this question and children who have asthma or who had a wheezing episode noted in the medical record within the past 12 months should not receive FluMist.

¶¶ Insufficient data available for use of LAIV in egg-allergic persons.

\*\*\* FluMist is indicated for healthy, nonpregnant persons aged 2--49 years.